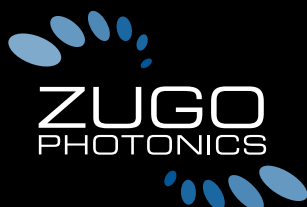


## PRODUCT LIST



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## BRINGING NEW TECHNOLOGY TO LIGHT

The premier regional distributor in Asia, specialising in photonics, industrial and scientific laser systems, fiber optics components for telecommunications, optical networking solutions, infrared camera systems, and devices for semiconductor manufacturers.

## Low Light Imaging Cameras



### iXon<sup>EM</sup>+ Series

Extracting the absolute best from EMCCD technology

With the iXon<sup>EM</sup>+ range, Andor have delivered a truly high-end, ultrasensitive scientific camera platform, designed specifically to get the absolute best from back-illuminated EMCCD technology across all critical performance specifications and parameters.

### iKon Series

Large area, high QE, low noise, -100°C cooled CCD

The iKon Slow Scan CCD's offer industry-leading low-noise performance, alongside unparalleled thermoelectric cooling to -100°C, enabling use of significantly longer exposure times than other cameras on the market. The iKon series offer Multi - Megahertz readout for rapid frame rate acquisition or fast focusing, along with direct USB 2.0 connectivity to PC.

The iKon-M platform includes a 1 Megapixel NIR-enhanced Deep Depletion model, ideal for Bose-Einstein Condensation and Photovoltaic Inspection.

The iKon-L is a revolutionary large-area, high-sensitivity CCD platform, delivering outstanding field of view, resolution and dynamic range. This platform is used widely across Astronomy & Bio-Imaging OEM applications.

### Luca<sup>EM</sup>

EMCCD technology within everyone's reach

Andor's Luca is a highly cost-effective yet powerful TE-cooled camera, making EMCCD technology available to every laboratory. Luca<sup>EM</sup> represents a new performance standard in 'workhorse' scientific cameras.

### Clara

Pushing interline further

Andor's expertise in scientific camera performance optimization has been harnessed to deliver the highest sensitivity interline CCD on the market. Based around the popular ICX285 sensor from Sony®, the Clara is ideally suited to high-resolution cell microscopy and OEM applications.

## Time-Resolved Cameras



### iStar

#### Fast gating for low-light time-resolved applications

Andor's iStar intensified CCD camera series is designed to offer the ultimate integrated detection solution for rapid, nano second scale time-resolved imaging and spectroscopy.

The iStar is the most compact intensified CCD platform on the market, with a software-controlled, on-board Digital Delay Generator (DDG™), for seamless integration of complex experiments.

The iStar also has a wide range of Gen II & Gen III Image Intensifiers, relay phosphor coatings and input windows available.

## Spectroscopy Solution - Cameras



### Newton & Newton<sup>EM</sup>

#### Ground-breaking technology for Spectroscopy

Andor's Newton cameras are ideally suited to high performance spectroscopy applications. They feature high resolution spectroscopy sensors with up to 95% QE, USB 2.0 connectivity, multi-MHz low-noise electronics, TE cooling and Ultravac™. Also available with Electron Multiplying CCD (EMCCD) technology for unsurpassed sensitivity.



### iVac

#### Compact, research-grade OEM Spectroscopy camera

Andor's new spectroscopy camera is designed for OEMs, with ease of integration in mind. The combination of high NIR sensitivity (with absolutely no etaloning), 26.4 x 3.2 mm image area, Andor's renowned UltraVac™, TE cooling interface and USB 2.0 connectivity ensure high performance & reliability.



### iDus

#### Scientific Grade CCD camera range

Andor's iDus CCD cameras provide thermoelectric cooling to -100°C with plug 'n' play USB connectivity. These cameras offer Research Grade performance with workhorse reliability and ease of use for a wide range of spectroscopy applications and are ideally suited to OEM systems integration.



### iDus InGaAs

#### InGaAs detector array for Spectroscopy

Andor's iDus InGaAs detector array system features USB 2.0 connectivity, low noise and high QE in the near infrared wavelength region, with a detection limit of 1.7 or 2.2  $\mu\text{m}$ .

## Shamrock Motorised Spectrographs

The Shamrock series features a range of “out-of-the-box”, pre-aligned, pre-calibrated, spectrographs. Based on a Czerny-Turner configuration, these instruments are seamlessly configurable with a wide range of accessories and all include exchangeable grating turrets. Used in conjunction with Andor Solis, our leading interactive Spectroscopy software and high performance Andor detectors, the Shamrock family offers complete and powerful detection solutions.



### Shamrock SR-303i

#### Laboratory workhorse

The SR-303i is the laboratory workhorse, and features USB 2.0 control, imaging capabilities for multi-track applications as well as motorised grating turret control and input/output slit.

The SR-163 is a price-performance, manual instrument with easily interchangeable grating, ideal for general lab experiments.



### Shamrock SR-500i

#### High spectral resolution

The SR-500i is the ideal combination of high spectral resolution, imaging capabilities for multi-track applications and Single Point Detector scanning option.

It offers USB 2.0 control, motorised grating turret and input/output accessories, as well as up to 2 input and 2 output ports for ultimate flexibility.



### Shamrock SR-750

#### High spectral resolution

The SR-750 delivers the highest spectral resolution and also features Single Point Detector scanning option, USB 2.0 control, motorised grating turret and input/output accessories, as well as up to 2 input and 2 output ports for ultimate flexibility.



### Shamrock SR-163 Series

The SR-163 is a price-performance, manual instrument with easily interchangeable grating, ideal for general lab experiments.



### Mechelle 5000

#### High band pass Echelle spectrograph

Andor's Mechelle ME5000 is a ruggedized Echelle spectrograph designed to provide simultaneous recording of large bandpass from 200 - 975 nm, with a resolution power  $\lambda/\Delta\lambda$  of 5000. With no moving parts, the ME5000 is supplied pre-aligned and pre-calibrated with an Andor CCD or ICCD detector system.

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